

Tran Xuan Son

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EDUCATION

- **Hanoi University of Science and Technology (HUST)** Hanoi, VietNam
Bachelor of Mathematics and Informatics *Oct. 2022 – Oct. 2026*

EXPERIENCE

- **Mattech** Hanoi, VietNam
Backend Engineer *March 2025 - July 2025*

Feature Maintenance and Enhancement:

- Read internal documentation and system specifications
- Trained on business workflows and explored the codebase
- Maintained and improved existing features based on team feedback

Developed Feature to Extract Data from Delivery Receipt Images:

Purpose: Automated data extraction from delivery images to eliminate manual entry.

- Evaluated AI APIs (ChatGPT, Gemini, etc.) in terms of their ability to process images, extract information, handle multiple languages, and their pricing models
- Tested various APIs and selected the most suitable one for image processing
- Developed backend logic to handle prompt creation, third-party API calls, and JSON data parsing
- Integrated the new feature into the existing UI to ensure a seamless user experience

Implemented Facial Recognition System for Attendance:

Purpose: Automate attendance using facial recognition to support digital transformation.

- Built an automated attendance system serving over 1000 employees
- Explored computer vision concepts and tested models like YOLO, InsightFace, Buffalo, etc
- Built a backend service using FastAPI for facial authentication
- Developed APIs for image collection, face detection, and user verification
- Used Docker and Docker Compose for deployment; managed logs and exception handling
- Implemented Redis caching to reduce authentication requests and improve performance
- User and attendance data using SQLite

PROJECTS

- **Build CI/CD:**
 - Built CI/CD pipelines across multiple platforms including GitHub Actions, GitLab CI/CD, and Jenkins
 - Wrote Dockerfiles for project containerization
 - Used virtual machines to simulate and deploy lab environments
 - Installed and configured tools such as GitLab Server, GitLab Runner, Jenkins Server, Jenkins Agent, Docker Registry, and SonarQube Server
 - Set up integrations for Slack and SMS notifications
 - Implemented Unit Tests and Integration Tests
- **Laptop Shop Website :** [Link Github](#)
 - Developed a full-stack web application using Spring Boot (MVC, JSP)
 - Implemented user authentication and role-based access control with Spring Security
 - Built CRUD operations for users, products, and orders using Spring Data JPA
 - Integrated file upload, search, sorting, and pagination for product management

TECHNICAL SKILLS

- **Languages:** Groovy, Python, JavaScript, SQL, Java, Bashscript **Tools:** Github, Gitlab, Jenkins, Docker
- **Frameworks and Libraries:** Spring, React, Fastapi, JSP **Operating Systems:** Windows, Linux (Ubuntu)